

Amendments to the Specification:

Please amend the specification as follows:

Please replace paragraph starting from page 5, line 8, with the following rewritten paragraph:

The opposed faces 23, 24 of plates 20, 25 are parallel to a high degree of accuracy, and are set at a uniform spacing or gap 50 at which there can be a detectable quantum tunnelling current between opposed conductors 40 in these faces. For utility as a micro- or nano- electromechanical device, these faces 23, 24 have embedded elongate electrical conductors 40, where the elongate electrical conductors 40 embedded on the surface 23 and the elongated electrical conductors 40 embedded on the surface 24 are disposed in directly opposed pairs aligned parallel with the plane of hinge webs 36. Suitable electrical contacts 42 are provided on plates 20, 25 for applying an appropriate electrical potential difference across the opposed conductor pairs to give rise to detectable quantum tunneling current across gap 50. Electrical connections between contacts 42 and conductors 40 can be integrated through the hinge webs 36.